TECHNICAL COOPERATION BY THE GOVERNMENT OF JAPAN

PROPOSAL

| | by the Govern | nent of REFUBLIC OF THE CHOAN |
|-------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | for an expert, i. e., | SEE NEX 1 |
| | to the Government of . | |
| | iacinate ine suppi | n devised for the general guidance of the Government agencies concerned (JAPAN) in order to by of relevant information and data necessary to afford an adequate appreciation of the nature operation required. The careful completion of this proposal form will avoid much reference peedier action. |
| 1. B | ack ground Information | |
| T | his section should show as pre- | |
| | cisely as possible the general nature of the project for | |
| | which the expert is required | |
| | stating whether it comes within the Government's | The Kartoum Training Hospital (Graht- |
| | development programme. It | ∤ |
| | is important to indicate | <pre>broject by Japanese Government 1982-1985)</pre> |
| | whether the project is a new enterprise or whether it was | 1 The second of the second |
| | started previously. In the | This Hospital designed for training |
| • | latter case, any assistance received under other technic- | young doctors to become specialized doctors. |
| | al co-operation programmes | voung doctors to become specialized doctors. |
| | (e.g. under United Nations | |
| ٠. | auspices) should be stated. With regard to industrial | In the operation theatre of this pro- |
| • | enterprises, some impression | ject, young doctors need to be trained by a |
| | of the size is important and the output and number of | doctorwho has the latest techniques and |
| | workers to be employed are useful indications. The type | |
| | of process, make and age of | medical knowledges. |
| | industrial or scientific equip- ment with which the expert | |
| | will be concerned should be | |
| | specified. In the case of | |
| | academic establishments, it is an advantage to know the | |
| | number of annual intake of | |
| | students, their level of attain- ment, numbers and status of | |
| | existing staff and details of | |
| | any research facilities and | |
| : • • | the level of research being undertaken (Copies of bro- | |
| | chures, annual reports, finan- | |
| | cial statements, calendars, syllabus of instruction etc. | |
| | should be attached where applicable). | |
| | | |
| | ecification for the post.* post title | Fee nex I |
| (b) | duties for which the expert will be responsible. These should preferably be | Meach vours doctors and |
| di sa | listed, and it is important to | Technicians and the state of th |
| | give as much detail as possi- ble. | |
| (c) | authority to whom expert will be responsible. | Ministry of health. |

| | (2) |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Specification for the post (Cont'd.) | (1) Specialist Doctors. |
| (d) Qualification and experience required and approximate | (2) Technicians. |
| age limits (e) number of personnel required. | See Anex To |
| 3. In the case of continuous projects, give name and | |
| particulars of understudy or counterpart who is to work with | |
| the expert | |
| 4. Terms and conditions of appointment: | 1 Fonth |
| (a) duration (b) actual place of employment, | Phartown |
| nearest town and post office (c) if living accommodation to | |
| be provided, state whether furnished or unfornished, | en en proprieta de la companya de l La companya de la co |
| and whether suitable for married man with family: | |
| (i) daily allowance for food if accommodation only | |
| provided (ii) daily rate for accom- modation and food if | |
| neither are provided in kind | |
| (d) daily and nightly rates of subsistence payable when | |
| away from base on duty (e) are costs of internal travel paid or car provided? | |
| (f) what leave arrangements are suggested? | |
| (g) extent to which free hospital and medical treatment is to | |
| be provided for the expert and his accompanying dependents, if any | |
| (h) shall the expert be exempted | V |
| from the payment of income tax and charges of any kind imposed on or in connection | |
| with any allowances to be remitted from overseas? | |
| (i) (i) shall the expert be ex- | |
| empted from the pay- ment of customs duties and charges of any kind | Voc. |
| imposed on or in connec- tion with the importation of equipment, ma- | |
| chinery, materials and medical supplies as well | |
| as personal and house hold effects belonging to the expert and his family, | |
| including one refrigera- tor, one sewing machine, | |
| one radio and other elec- trical appliances? | |
| (ii) In case a car is not pro- vided to the expert by | $m{\kappa}$. The first of the first of the contract of the first of the contract |
| the host government, shall the expert be ex- empted from the pay- | - Communication of the Yes and the communication of |
| ment of customs duties and charges of any kind | |
| imposed on or in connec- tion with the importation | |
| of a car? | |
| | and the control of th |
| | -82- |
| • | |

| 4. Terms and conditions of appointment (Cont'd.) (j) does host government undertake to indenmify expert inrespect of dumages awarded against him for actions performed in the course of his official duties? | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| (k) approximate date on which the expert is required to arrive in receiving country | February 1987 |
| (1) any other information | |
| 5. Previous steps, if any, to fill the post: If any previous attempt has been made to fill the post from any external source (UN, Specialised Agency or other) please indicate: (a) to whom application was addressed, with date (b) result or present stage of negotiations (c) are other experts working in this area in associated projects or have there been experts working in this field previously? If so, are any reports by these experts available? | |
| 6. Correspondence: Name, postal and telegraphic address of official to whom correspondence regarding this application should be forwarded | Pr./% KT NOTE - PM.O F.O. Box 8057 Khartoum - Budan. Zahiz An Signed Dr. Zahieldin |
| Date: 18.12.1986 | Signed W. Marieldin on behalf of the Government of Sudan |

بسم الله الرحن الرحيم

IBN SINA HOSPITAL

Telephone 47

P. O. Box



ابن محسینا ۱۹۷۰۸ ۱۹۷۷۶ الفرن ۱۹۷۷۶ ۱۹۷۷۶

الدريخ <u>18.12.1986</u> Date <u>18.12.1986</u> Mr

I XENNA

JAPANCESE EXPERTS

1/ G STROENTROLOGY.

(IN AEGRAL DESIGNE)

- SALESTEENTEROLOGY SUBGERA OF RIDIEA ABTRIBLYALION
- 3/ UROLOGY.
- 4/ OTORHINDLOGY.
- 5/ RaDIOLOGY.
- 6/ REDIOLOGY TECHNICI N.
- Z/ CLINICAL LAROTARY MEDICINE.

TECHNICAL COOPERATION BY THE GOVERNMENT OF JAPAN

PROPOSAL

| By the Government of | SUDAN |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| for the provision of training facilities in | TAPAN |
| | |
| supply of relevant information and data nece | dance of the Government agencies concerned (Japan) in order to facilitate the ssary to afford an adequate appreciation of the nature of the technical co- an application in this form will avoid much reference back and lead to speedicr |
| 1. Background Information Please indicate as concisely as possible the general nature of the project, development, training programme, or other scheme which has given rise to the specific proposal below. The object of the training course being proposed should be clearly explained, together with an indication as to how the services of the personnel nominated for training will be subsequently utilized. | 913N SINA 1-105/17AL |
| 2. Training facilities required: | |
| Please indicate as fully as possible:— (a) the type of training, subject or course required, i. e., academic training, observation tour or practical attachment. If more than one type of training is required, period in each should be stated | |
| (b) the standard or level at which the training is to commence and the standard it is desired to attain (c) ultimate purpose or object of the training, and the capacity in which it is intended that the participants shall be | |
| subsequently employed | |

| · (d) | approximate length of training thought | | | | | | | |
|-------|----------------------------------------|-----|-----|---------|-----------|--|--|--|
| | necessary | for | the | purpose | indicated | | | |
| | above | | | | : | | | |
| | | | | | | | | |
| | | | | | | | | |

(e) (where technician-level training is sought)

If training facilities in this field and at this level are available in the region, please indicate why training is being sought outside the region

3. Prospective participants:

- (a) Has participant(s) already been nominated? If so, nomination Form A. 3 should be completed and should accompany this application
- (b) If no participant has yet been nominated please give the reasons and state when it is expected that the nomination will be made. In order to assist in ascertaining whether the training facilities are available or can be specially arranged, please also state—
 - (i) The proposed educational qualification or standard to be held by the participant(s)
 - (ii) The nature of the employment and practical experience it is expected the participant(s) would possess
 - (iii) The number of participants for whom facilities are required, and whether it is desired that they should all receive training at the same time or in batches at intervals

3 WEEKS

| 4. | Previous efforts to obtain these training facilities: | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| | If application has already been made to the United Nations, the Specialized Agencies, other Technical Assistance Programmes direct, or to Governments, or private agencies, please state:— | |
| | (a) date of application | |
| | (b) to whom addressed | PABOX 360 KHARTOUR |
| | (c) result or present stage of the applica- | SUDAN |
| 5. | Correspondence: | |
| | Please indicate person and address to which any correspondence regarding this applica- tion can be addressed. The telegraphic ad- dress and telephone number should also be | |
| | given | |
| | | |
| | | |
| | | Signed: Lala-12 Du |
| | | |

Date: 18.12-86

on behalf of the Government of

TECHNICAL COOPERATION BY THE GOVERNMENT OF JAPAN

FORM OF NOMINATION

| By the Go | vernment of | 540A | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|-------------------|
| for a course of train | ning in | JHPAN | √ | | | ••••• |
| requested in Form | A 2, No | | | dated18 | 12.26. | , |
| | | | | • | | |
| PART I (to be con | npleted by nominee) | Charles and Artist | | PLEASE 🗱 | TYPE | |
| I, DI | 2 A HAZE | (use block le | AGIB (ters, surname last) | | *************************************** | of |
| SUD | (Country) | certify that the | e statement mad | e by me in part 1 | l of this form a | re true, |
| If accepted (a) Carry Gover (b) Follo or est (c) Refra (d) Subm (e) Return | for a Training Award, out such instruction rument and the host G w the course of studiablishments with which in from engaging in point any progress reports in to my home country understand that if g or for other sufficient | I undertake to:— s and abide by succeptance in respect y or training, and the I undertake to stolitical activities, or s which may be prey at the end of my ranted a Training of | h conditions as rect of this course abide by the ruudy or train. any form of empscribed. course of study of the course of the course of the course of study of the course of the cou | of training. les of the Univers bloyment for profit r training. subsequently with | ity or other ins | stitution |
| andania kiakiani | | | | | / 00- | |
| | | | | Na S | 5/b | |
| | | | *************************************** | (Signature of Non | inee) | ***************** |
| the state of the s | ing mangle keringan | | en e | | | |
| Dete: 181 | 2 36 | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | | | |
| | | | | 0.000 | | |

| PART II (to be completed by nominee) (Personal details) | PLEASE TYPE | |
|-----------------------------------------------------------|----------------------------------|------------|
| 1. (a) Surname (b) Forenames | NAGIB 2. Sex AHNED Male/Promote- | |
| 3. Home address | B.O.B 1570 KHARTOUN | < UDA N |
| 4. Date and place of birth | SUDAN. 30.12. 1831 | |
| 5. Marital status | MARRIED | |
| 6. Nationality | SUDANCSE | |
| 7. Name and address of person to be notified in emergency | DIRECTOR IBN SINH HOS | |
| | KABUION | 11-2110411 |

8. Education Record:

| Educational Institution | Location | Years A | tended To | Degrees, Diplomas and Certificates if any | Special Fields of Study | |
|--------------------------------------|----------|---------|--------------|----------------------------------------------|----------------------------|----|
| CAIRO UNIVERSITY FICELLTY OF AMEDICA | CAIRO | 1952 | 1857 | MB, B.ch. | MEDIC INC | |
| ACHDAMY OF MEDICAL | Moscow | 1960 | 1963 | Ph.D. | SURGER Y | |
| Edin bough. | u.K. | 1574 | 1976 | GHSTROFNIELD DIP. | an gushopulvola | y. |

 Please indicate details of any professional qualifications, or special industry certificates which you possess F.I.C.S. Fellow of International ASCOSI ATON OF SULVEON. COURSE - Early Defection of Concern HEAD DEPARTMENT GASTROENTELOW, KARTONAL

10. Employment Record (listing most recent post first)

(a) Present or most Recent Post

(Description of your work, indicating your personal responsibility)

HEAD DEPARTMEN GASTROCATE WORY
IBN SINA HOSPITAL

| Name of Employer | |
|---------------------------------------------------------------------------------------|--------------------------|
| Address of Employer | |
| Type of Organisation | |
| Your position Dates of Service | HERD OF DEPARTMENT |
| | IBN SINA HOSPITAL |
| (b) Previous Post (Description of your work, indicating | HEAD DEPARTMENT OF |
| your personal resposibility) | GASCOCATON LOSV KALTINCA |
| Name of Employer | |
| Address of Employer | |
| Type of Organisation | |
| Your position Dates of Service | |
| | |
| (c) Previous Post (Description of your work, indicating your personal responsibility) | |
| Name of Employer | |
| Address of Employer | |
| | |
| Type of Organisation | |
| Your Position Dates of Service | |

^{11.} It would be useful if you would give a statement of not more than 500 words regarding your experience and requirements for training. This statement should be approved by your Government.

Trehougue in GASTROENTEROLOGY

| | | |
|-------------|---|--|
| | | |
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| | A 35 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| : | (d) Description of the post he will be required to fill on the satisfactory completion of this training GASTROENTEROLOGY BASTROENTEROLOGY COMPLETION OF THE POSITION |
| | |
| . | Official Nomination |
| | on behalf of the Government of Sun A |
| | I certify that |
| | (a) I have examined the educational, professional or other certificates quoted by the nominee in Part II of this form and I am satisfied that they are authentic and relate to the nominee. |
| | (b) I have examined the medical certificate produced by the nominee which states that he is medically fit and free from any infectious disease and that having regard to his physical and mental history there is no reason to suppose that the nominee is other than fit to undertake the journey to |
| | (c) The nominee has a knowledge of spoken and written English sufficient to enable him to follow the course of training for which he is being nominated, and that he can converse easily on everyday matters. |
| | (d) That the class of sea travel appropriate to the applicant's status in tourist/first class. |
| | I nominate him accordingly on behalf of the Government of |
| | 7 nonlinate that accordingly on the second s |
| | Signed: Calitz Du |
| | Rank or Title Lincolor Ton Sina Hospital |
| | Date: 18-12-19-56 |
| 3. | CORRESPONDENCE: Please indicate person and address to which any correspondence regarding this form can be addressed. The telegraphic address should also be given |

TECHNICAL COOPERATION BY THE GOVERNMENT OF JAPAN

FORM OF NOMINATION

| | NAQUZ | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| for a course of training in | JAPAN | |
| requested in Form A 2, No. | | dated 18/12/198 |
| | | |
| PART 1 (to be completed by nominee) | | PLEASE TYPE |
| 1. Dh "/AHI. | A 19 B D € L (use block letters, surnam | made by me in part II of this form are true, |
| (Country) | certify that the statement | made by me in part II of this form are true, |
| Government and the host (b) Follow the course of students or establishments with white (c) Refrain from engaging in p (d) Submit any progress report | l, I undertake to:— ns and abide by such condition Government in respect of this co | he rules of the University or other institution. f employment for profit or gain. |
| I also fully understand that if a adequate progress, or for other sufficient | granted a Training Award it ma t cause determined by the host (| y be subsequently withdrawn if 1 fail to make Government. |
| | ····· | AR (Signature of Nominee) |
| Dete: 1811218 | <u> </u> | |
| | | |

| ART II (to be completed by nominee) (Personal details) | PLEASE PROPERTY | /PE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. (a) Surname ABDELRANI (b) Forenames YAHIA | | 2. Sex Male/Female |
| 3. Home address | PSP,SX 360 KHARTOVM | SUBAN |
| 4. Date and place of birth | KHARTOUM 1/1 | 119137 |
| 5. Marital status | MARRIED | and the second s |
| 6. Nationality | SUDANESE | |
| 7. Name and address of person to be notified in emergency | DL ZAKI ELDE DIRECTOR DBN | SING HO |
| 8. Education Record: | | /// |
| Educational Institution Location | Years Attended Prom To Certificates if any | Special Fields of Study |
| BEON CH UK, EDINBUROWHI ATITUTES FURTERY UK | | UROLOG |
| 9. Please indicate details of any professional qualifications, or special industry certificates which you possess | ASSOCIATION OF L | ROLOGICAL SUR CR |
| 10. Employment Record (listing most recent post first) (a) Present or most Recent Post (Description of your work, indicating your personal responsibility) | HEAD URAL DEPARIMENT | ACY JBN SIN HOSPITA |

| • | A 3~3 · · | |
|---------------------------------------|----------------------------------------|--------------------|
| Name of Employer | | |
| | MINISTRY OF HEALIH POBOX 8057 KHARTOUM | C |
| Address of Employer | WINIDIK! -1 WOCH | ZUDA |
| | POROX 8057 KHARTOUM | SUDA |
| Towns of Owner, | | |
| Type of Organisation | | |
| | SENIOR UROLOGIST. | • |
| Your position Dates of | | - · · · |
| Service | | |
| | | |
| (b) Previous Post | | |
| (Description of your work, indicating | HEAD DEPARTMENT OFUR | |
| your personal responibility) | KHARTOUM HOSPITA | h- |
| Name of Employer | | _ |
| Viante of Employer | | |
| Address of Employer | | <u>-</u> . |
| | | . : * |
| Tune of Organization | | _ |
| Type of Organisation | | |
| | | |
| Your position Dates of | | <u>-</u> |
| Service | | |
| | | |
| (c) Previous Post | | - |
| (Description of your work, indicating | | |
| your personal responsibility) | | • |
| Name of Employer | | <u>.</u> • |
| rvaine of Employer | | |
| Address of Employer | | <u>-</u> |
| Address of Employer | | |
| Two of Organization | | <u>.</u> |
| Type of Organisation | | |
| | | |
| Your Position Dates of | | |
| Service | | |

^{11.} It would be useful if you would give a statement of not more than 500 words regarding your experience and requirements for training. This statement should be approved by your Government.

TO BE ORIENTED IN THE

TECHNIQUE, TRAINING IND

RESEAR RESEARSH WORK

TOMA TO STRENGTHEN THE

RELATIONSHIP BETWEEN

ABN SINAHOSPITAL AND

OKAYAMA UN UNIVERSITY.

| PART III (to be completed by an authorized official of the nominating Government) | | | | |
|-----------------------------------------------------------------------------------------------------------|--|--|--|--|
| 1. Observations of the nominating Government on: | | | | |
| (a) The nominee's personal qualities, educa- tion and employment record and knowl- edge of English; | | | | |
| (b) His general fitness to benefit fully from the course of training for which he is being nominated; | | | | |
| (c) Any special reasons for his selection; | | | | |

| econor. | (d) Description of the post he will be required to fill on the satisfactory completion of this training |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. | Official Nomination on behalf of the Government of |
| | (a) I have examined the educational, professional or other certificates quoted by the nominee in Part II of this form and I am satisfied that they are authentic and relate to the nominee. |
| | (b) I have examined the medical certificate produced by the nominee which states that he is medically fit and free from any infectious disease and that having regard to his physical and mental history there is no reason to suppose that the nominee is other than fit to undertake the journey to |
| | (c) The nominee has a knowledge of spoken and written English sufficient to enable him to follow the course of training for which he is being nominated, and that he can converse easily on everyday matters. |
| | (d) That the class of sea travel appropriate to the applicant's status in tourist/first class. I nominate him accordingly on behalf of the Government of |
| | Signed: Zala LZ Au |
| | Rank or Title: Linector Butilia Hespata |
| | Date: 18-19-1986 |
| 3. | CORRESPONDENCE: Please indicate person and address to which any correspondence regarding this form can be addressed. The telegraphic address should also be given |

TECHNICAL COOPERATION BY THE GOVERNMENT OF JAPAN

FORM OF NOMINATION

| By the | e Government of | SUC |)AN | | ***************** |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| for a course of | training in | JAP | AN | | 0.7 |
| requested in Fo | orm A 2, No | | | dated 18.1 | 2 XQ |
| | | | | | |
| | e completed by nominee) | | 7 | PLEASE 1 | |
| I. D | OR ABUE | LGASIM (use block le | tters, surname last) | "/HD" | of |
| | O DAN | certify that th | e statement made | by me in part II of | this form are true, |
| complete and If acce (a) ((b) 1 (c) ((d) ((e) ((d) ((c) ((d) ((d) ((d) ((d) ((d) ((d) (| correct to the best of my epted for a Training Award Carry out such instruction Government and the host Follow the course of study or establishments with what Refrain from engaging in Submit any progress report | belief. d, I undertake to: ons and abide by suc Government in respect dy or training, and sich I undertake to st political activities, or rts which may be pre- try at the end of my | h conditions as need of this course abide by the ruudy or train. any form of empscribed. course of study of | nay be stipulated by boot training. Hes of the University of University of the University of the University of University | oth the nominating or other institution |
| l also adequate prog | fully understand that if gress, or for other sufficie | granted a Training nt cause determined | Award it may be by the host Gove | subsequently withdraw | n if I fail to make |
| | | | | (Signature of Nominee | |
| Dete: / & | . 12 86 | <u></u> | | | |
| | | | | | 34d 2 |

| PART II (to be completed by nominee) (Personal details) | | | PLEASE SECTION TYPE | | |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------|------------------------|----------------------------------------------------------------|----------------------------------------|
| 1. (a) Surname (b) Forenames | , , , , , , , , , , , , , , , , , , , | A | | ELGASIM | 2. Sex Male/Female |
| 3. Home address | | P | (HAR | Box 20 | 32 Dr) N |
| 4. Date and place of birth | | 1 | | 36 | |
| 5. Marital status | | | MA | RRIED | |
| 6. Nationality | · · · · · · · · · · · · · · · · · · · | | 50 | DANUSE | × |
| 7. Name and address of person to in emergency | be notified | 1 | - | PANJUL BUD FOR PRAISE | · · · · · · · · · · · · · · · · · · · |
| 8. Education Record: | | | | Cox Toppe | |
| Educational Institution | Location | Years A From | ittended To | Degrees, Diplomas and Certificates if any | Special Fields of Study |
| | en e | | | MB.B.Ch. | |
| KOYAL COLLEGE OF SURGEONS | | 1967 | 1970 | FRICE | 1. pl |
| GF EDINBUROUGH | ! | | | | |
| Please Indicate details of ar qualifications, or special in cates which you possess | | · NS | ∫0 € 2 - € | TORHER DE CO | Contract Contract |
| 10. Employment Record (listing post first) (a) Present or most Recent Po (Description of your work, indice personal responsibility) | st | u SEN HÉ • I A MU | HORE HD OF RT-TI | MIDIENT. CONSULTA ENT. DEP. 16 ME LECTURE IN EXHI-LIA | MINISTRY OF S MICHALLY REFACULTY |

| Name of Employer | MINISTRY OF MOHITTE SUBJECT |
|---------------------------------------------------------------------------------------|-----------------------------|
| Address of Employer | P.O.BOX 8057 WHARLOWN |
| Type of Organisation | SENIOR & N. T. CONSULTANI |
| Your position Dates of Service | AND PARD IN TAPPARANON |
| | ABN SINT MONTE |
| (b) Previous Post (Description of your work, indicating your personal resposibility) | |
| Name of Employer | |
| Address of Employer | |
| Type of Organisation | |
| Your position Dates of Service | |
| | |
| (c) Previous Post (Description of your work, indicating your personal responsibility) | |
| Name of Employer | |
| Address of Employer | |
| Type of Organisation | |
| Your Position Dates of Service | |

^{11.} It would be useful if you would give a statement of not more than 500 words regarding your experience and requirements for training. This statement should be approved by your Government.

TO BE ORIGNTED IN THE
RECENT ADVANCES IN TECHNIQUE
TRAINING AND RECEMPLY IN
E. N.T. Speciality

| PART III (to be completed by an authorized official of the nominating Government | |
|-----------------------------------------------------------------------------------------------------------|--|
| t. Observations of the nominating Government on: | |
| (a) The nominee's personal qualities, educa- tion and employment record and knowl- edge of English; | |
| (b) His general fitness to benefit fully from the course of training for which he is being nominated; | |
| (c) Any special reasons for his selection; and | |

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| re | Description of the post he will be equired to fill on the satisfactory pempletion of this training EDAK IN ENTRY SPITE |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| An Workshipsenson was recomm | AND ASSESSED TO THE REAL PROPERTY OF THE PROPE |
| 2. Official on beh | 1 Nomination alf of the Government of |
| : | ify that |
| (a) | I have examined the educational, professional or other certificates quoted by the nominee in Part II of this form and I am satisfied that they are authentic and relate to the nominee. |
| (b) | I have examined the medical certificate produced by the nominee which states that he is medically fit and free from any infectious disease and that having regard to his physical and mental history there is no reason to suppose that the nominee is other than fit to undertake the journey to |
| (c) | Continh on Scient to anoble him to follow the |
| | That the class of sea travel appropriate to the applicant's status in tourist/first class. |
| I nomi | inate him accordingly on behalf of the Government of |
| | Signed: Cakila Dr |
| | Rank or Title: Dinector Confina Hospita |
| Date: | 18.12.1976 |
| Please any can b | RESPONDENCE: indicate person and address to which correspondence regarding this form be addressed. The telegraphic address id also be given |

6. 機材(フォローアップ)チーム報告書

(1) 目 的 (1) (1) (1) (1) (1)

本プロジェクトにおける医療機材は、相手国側の政情等の事情により日本側の具体的技術協力が開始されないまま、事実上相手国側が独自にこれら機材を使って活動していたこともあり、一部機材に故障等が見られるとの関係者の指摘があった。

他方,わが方は62年2月頃から具体的協力の開始を予定しており、それまでにこうした機材の修理を行い、完全に稼動できる体制にすることが技術指導上極めて重要であることから、フォローアップ・チームを派遣して機材の稼動状況の把握を行い、対応措置の検討と可能な限りの修理を行うこととなったものである。

(2) 派遣期間 昭和61年11月7日 ~ 11月16日

| 月日 | 曜日 | 内要 |
|------|-----|----------------------------------------------|
| 11/7 | 金 | 東 京 発 (20:55) |
| 8 | l ± | ハルツーム着 (20:40) 金子醬記官出迎え |
| 9 | 日日 | 日本大使館にて牛田参事官,越智,金子書記官と日程打合せ(9:30) |
| : | | ヘルツーム教育病院にて病院長,副院長,総婦長等病院関係者と作業日程 |
| | | 等打合せ。 引続き院内を視察し院長の説明を受ける(10:00~14:00) |
| | | |
| 10 | 月 | 病院内を巡回し,各部門の Chief doctor 等より故障状況の説明を受け |
| | | 作業を行う。(8:30~16:00) |
| | | |
| 11 | 火 | 病院にて作業 (9:00~10:00, 11:00~15:30) |
| | | WHO専門家 Dr. Vort と懇談 (院長同席) (10:00~11:00) |
| | | 病院長宅で夕食会(病院各部門の chief docter 同席: 8:30~11:00) |
| | | |
| 12 | 水 | 病院にて作業 (8:30~15:00) |
| | | 報告内容について団内打合せ (18:00~19:00) |
| | | |
| 13 | 木 | 病院長へ作業結果及び今後の対策について説明 (11:00) |
| | | 日本大使館へ同上報告 (13:00) |
| | | |
| 14 | 金 | ハルツーム発(00:30) 越智,金子書記官見送り。 |
| 15 | | |
| 10 | ~L- | |
| 16 | П | 東 京 着 (16:00) |
| | | |

(3) チーム構成

業 務 調 成 清 水 嘉一郎 JICA 医療管理課

一般医療機器 館 野 勝 雄 光電メディカル(株) 代表取締役

放射線機器 山田勝亮 東芝那須工場 製造部技師

(4) 業務報告

- 1) 実 施 手 順
 - ① 病院機器全般の視察を行い、故障等の機器の把握を行った。
 - ② 各部門の chief doctor より故障状況及び問題点の説明を受け、機材のチェック、 調整及び修理を実施した。
 - ③ 病院長へ結果報告
- 2) 調 査 結 果 別紙のとおり
- 今後の対策について
 調査,点検の結果,当面次の対策を構じる必要がある。
 - ① X線機器
 - a Mobile 型(故障箇所の究明に全力を挙げた)
 - → 早期に当該領域の技師派遣が必要
 - b 据 付 型(X線照射不能修理完了)
 - → 照射ベッドの動きが重い等若干解決を要する問題があり、上記技師派遣時 にパーツ交換を行う。
 - ② 一般医療機器等
 - a 手術室無影灯回転調整(Joint部の調整を試みたが修理未了。応急措置としてカメラケーブルの位置調整を行った結果若干すべりが小さくなった)
 - → Joint部接触部分の摩耗が原因とみられ、現地側修理技師にバーツの交換 方法を教授した。

パーツを送付し、交換させる。

- b 手術台固定支持棒の破損
 - → 新たに支持棒を送付して現地技師に交換させる。
- c Urodynamic Jast System 1152

(レコーダー作動せず。 Intraction Serimeマニュアル共なし)

→ レコーダー用トランスを送付し、現地技師に交換させる。 マニュアル類はメーカー等に照会の上、入手次第送付する必要がある。

- d 泌尿器純水製造装置(圧力が小さく,必要な純水量充分得られない。点検したが原 因不明)
 - → 取水圧力は充分あり、当面はフィルター取換えを度々行う方法で様子を見る必要がある。
- e ボイラー(完全に作動せず)
 - → 施工業者が責任をもって修理する。
- f ボイラー送水用純水製造装置 (ろ過水が充分得られない。)
 - → 施工業者が修理する。
- g 超音派診断装置

(モニター画面の映像が部分画面となっている)

- → 専門技術者の派遣が必要
- h 消化器鉗子

(先端部故障, 現場修理不能)

→ 本部にて修理し、12月ミッションが携行する。

③ その他

乾電池,フューズ,純水製造用フィルター,試薬類,製精塩,透析用水,LPガス (プタン),手術室TVカメラレンズカバー,修理工具及び計測器

- → 一部は12月ミッションで携行 その他専門家携行機材にて対応
- (5) 機器保守管理上の問題点
 - 1) 水質が極めて悪く、中・長期的には一部医療機器のみならず病院設備全体にも大きな影響を及ぼす恐れがある。
 - → 病院全体へ供給する水の一次ろ過装置が必要
 - 2) 停電による機器の故障を防止するために所要の機器に対しては電源安定装置の設置が必 要。
 - 3) Service engineerには比較的優秀と思われる人材がおり、これを組織的に効果的に活用する方法を考えるべきである。

又諸外国で先進技術を修得した者が、帰国後その技術を他の者に伝播するようをシステムを病院内に設定する必要がある。

(医療機器関係)

調査報告書

銀時勝雄團

問題点と対策

1 A 2 A

1. Section: Gastro - Enterology

サービスマニアル, 等も管理されており,特に問題なし。

先生方もこのSection には特に熱心で、良く器材が活用されている。

要望事項 Gastro Camera - TVモニターを接続するアダプターが欲しい。 学生実習で見せる為。

2. Section: E. N. T

2C-11

① daryngo Stroboscope LS-3

問 題 点 ① ランプハウスのランプ点灯せず

② サービスマニアルなし

対 策 クセノンランプ及びサービスマニアルを準備すること。

2 C - 2 0

② Diagnostic Instrument Set (検服鏡)

BX = 12345

問題点 ① 3台あるが3台とも電池がなく使用されている。

対 策 使用頻度が高いので早急に電池の補給が必要

(現地で単2電池の購入が難しいとの事)

C - 23

3 Dry-Temporal Bone Surgery Set

問題 点 ① ハンドピースが回転せず熱をもつ

- ② チップ取付ホルダー(ハンドピース用)のスペア破損
- ③ サービスマニアルがない

対 策 ハンドピースそのものは問題ないが、チップが破損しているのでチップ (スペア共)及びサービスマニアルの補給必要有

3. Section: Laboratory

2 D - 3

1 Flame Photometer

問題 点 ① 試薬不足 有効期限ぎれで器械が使えなくなっている

② LPガス 期限ぎれ

- ① 試薬メーカー, LPガスメーカーへ期限ぎれの確認 (使用不能か否か)
 - 不足品に対する補充検討必要有

Cat. 16 00156105J

00156183M

00156100A

00478520

LPガス ′ 現地産のブタンガスでOK 要通報

2 D - 1 2

2 Chloride Analyzer 925-P

①と同様 問題点

試薬 Cat. 16. 00156202K

00156206 P

補充検討必要有

2 D - 1 6

3 Na & K Analyzer 902

①, ②と同様 温 題 問

00156040H 試薬 Cat. No.

> 00156003P 補充検討必要有

00156041J

2 D - 2 3

4 Blood Gas Analyzer 168

①,②,③と同様 問題点

477571 試薬 Cat. 477020 対

> 477068 477177

> 477073 477991

477019

4. Section: Urology

2B-16

① Urodymic Test System model 1152

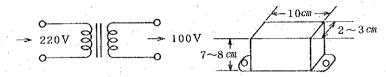
(dite-Tech Instruments Inc. USA)

問題点 ① 取説,サービスマニアルなし

② 電源トランス(レコーダー用)不良,工次側の出力が断線

対 策 ① 取説、サービスマニアルを送る事

② トランス(16241-7-1598) を送るか又は



上記仕様のトランスを送れば、Eng Yassin 又は Eng Eljack が修 理内容を指導しているので交換出来る。

② 透析用純水製造装置

問題点 ① 透析用純水製造のフィルターがない為、純水が作れない。

- ② 純水の量の問題については、検討する必要有
- 3 Nacl がない。
- 対 策 ① 水道水がかなり不純物が多く,フィルターの目づまりが早く,短時間の 使用で純水製造量が半減してしまうので,かなりの頻度でフィルター交換 の必要有 十分なフィルターの補充が必要
 - ② フィルターのろ過能力と合わせて検討する必要有

Calcium 10 mg/ℓ → 3 mg/ℓ にする為の十分な純水量が得ら Magneestum

れない。

③ 精製塩 < セメント袋 2 > がない 現地で入手不可能 これまでは一部 Na cl < セメント袋 2 > がない 現地で入手不可能 これまでは一部 コーロッパから入手したこともあるとの事

2B - 20

- (3) Artificial Kindy System DAE-02/DCS-31
 - 問題点 ① 上記に使用しているペリソリタGは強すぎるのでペリソリタにして欲し い。ペリソリタ,ペリソリタG共に在庫あるが、そろそろ期限ぎれが近づ いている。
 - ② キンダリー液3号が全くなくなっているので至急補充して欲しい。現地 で購入不可

対 策 期限ぎれのもの、使用出来ないもの、不足しているものの補充、特にキンダ リー液 3 号 (透析用)は人命にかかわるので早急に補充の必要有

5. Section: Operating Theatre Department

2 I - 3

① Transurethral Operating Table M

問題点 足を乗せる台の角度が調整出来ない。

対 策 角度調整台が破損しているので交換する必要有

但しメーカーは受注生産なので1~2ヶ月の納期が必要



2 I - 4

水

② Operating Light CTC-Kr9855-56EL

問 題 点 無影灯が自然に動いてしまう。ランプ切れ

①及び②については修理完了 Mr Yassin を指導しているので、それと、修理工具一式手渡す。

③については、修理パーツを送るのでMr. Yassin が修理すると思われる。

③は照明板の角度が自然に動いてしまう。

ランプ切れは、Mr. Yassin がスペアパーツを管理しているので修理済

3 2 I - 4

ITV カメラ装置 (無影灯へ取付け)

問 題 点 (1) カメラコードの取付不良の為、無影灯のバランスへの影響あり

- ② ITV カメラ用 レンズカバーをし
- 対 策 ① 応急処理はしたが、カメラコードは割合い重量があるので取付方法に工 夫必要有
 - ② フジノンTVズームレンズ (558273C 10×16)のカバーがないと カメラ自身の寿命を半減するので至急送る事(2ケ)

(4) 2 I - 2 4

Water Sterilizer 3

問題点 フィルターがない。

対 策 手術室以外でも何台か入っており、すべてフィルターがなくなっており、早 急にかなりの量を補充必要有 そろそろ滅菌灯の効果もなくなって来ているので交換部品を用意する事

6. Section: Training unit department

2 K - 6

① VTR System for ERCP Room

問題点 画像が出ない。

対 策 点検 オペレーション(接続)指導

所 見

本年8月にオープンし、想像以上に彼等独自に工夫され、医療器械が活用されておられた。 職員の皆様もユータンで最も近代的な病院であることの"ほこり"と熱意が感じられ今後の 運営が楽しみです。

しかし、日本側のフォローの不十分さ等もあり、医療器械の個々の面でトラブルがあり、 その面を十分フォローして差し上げれば、スムーズに活用されることと感じられた。(オベ レーション技術、メンテナンス)医療器械のオペレーション技術、メンテナンス技術は現地 担当を教育(現地で)指導すれば良いと思う。実地指導の場合、各セクションの日本側との 窓口を決めて貰い、そのメンバーに対して製品管理も含めて十分なフォローを行えば良いと 思われます。

特にメンテナンスに就いては、Service Engineer Mr. Yassin, Mr. Eigack あたりが良く器械を理解しておられるので、下記の工具等を準備してあげれば、かなりの器械の修理が可能と思われます。

- 各種ヒューズ (ガラスチューブのもの)
 0.5 A 1 A 2 A 3 A 5 A
- ② 六角レンヂセット
- ③ Box レンヂセット
- (4) テスター
- (5) オシロスコープ (使いこをせる)
- ⑥ 電 池 (UM-2, 3, 1)

最後に日本側のフォロー対策としては、当面(2~3年)十分現地のニーズを理解している人を窓口として、各メーカーと十分技術的交渉が可能な人をコンサルタントとして実施すれば、現地のニーズに合ったフォローが可能と思われます。医療関係の場合は、人命にかかわる問題なので、大きな器械もさることながら、患者と直接触れる細かい器械(各種鉗子、トランスジューサ、電極………)のフォローが大切です。

ME器械に就いては、オペレーターに器械の操作だけでなく、医師が必要としているデータをとることが(各種ME器械、XRang の条件設定等 …… の判断が出来る様なアプリケーションウェアの指導教育)レベルアップにつながると思います。

日本側として特にコミニケーション不足(現地の実情の理解)を痛感致しました。

基本的な問題点としては、水質対策(ボイラー、透析、ラボ、手術室等)が考えなければならないと思います。特に Na^+ Ca^+ が $10\,m$ e/ ℓ が b が b 、今の時期は気候の条件が良いが砂嵐の時期にはかなり水質が悪くなると思われます。

次に各器械に対して、ひんぱんに起る停電が色々を形で影響しております。

現在も色々な問題が出ており、2~3ヶ月程度問題点処理のフォローが必要と思われます。

以上

0 目 的

スーダン KHARTOUM TBAINING HOSPITAL へ納入した当社製品 8 set (内 超音波装置 1 set)のトラブル状況の把握

○ 結 果

- X線装置7 set 中3 set は トラブル無しで使用中
- トラブルがおきているX線装置で 3 set は完全ではないが使用可能状態まで修理
- 残り1 set の X 線装置は使用不可能状態
- 超音波装置はクレームのみ把握

0 問題点

- 1. 現地の電源不安定, 特に停電が時々ある。
- 2. IC等の部品が入手できない。
- 3. 砂原とりが多く、装置に対して環境が良くない。
- 4. オペレーションを完全にマスターしていない。
- 5. エンジニアのレベルが低い。

O フォーロ/ー

今回の出張で修理できなかったトラブルの早期修理が必要と思われます。トラブル内容は2ページ以降にて報告します。

また、装置と同時に送ったフィルム現像液等全て期限切れのものばかりです。

2. トラブル調査及び修理

| NR | | | | MEDICAL EQUIPMENY |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1 DT-GCR B 3572052 DC-850B-2 D 4542725 TAC-25-UN 905306 TAC-25-N5 ① X-RAY ON しない DC-850B2 RYPWB内 IC不良 交換 交換にてOK ② F. X-RAY ONしない DC-850B-2 RYPWB内 IC不良 交換 グ換にてOK ③ 阿時磯射筋止英質を通すとX線が出 | Na | トラフル内容 | 対 策 | LIST ITEHNO, 7311- |
| TAC-25-N5 (1) X-RAY ON しない DC-850B2 RYPWB内 1C不良 交換 交換にてOK | 1 | DC-850B-2 D 4542725 | , | 1 Tem ND, 2 G - 4 |
| I C不良 交換 交換にてOK DC - 850 B - 2 RYPWB内 I C不良 交換 で表換 | | | i de la companya de l | |
| (3) 同時襲射防止装置を通すと X 線が出ない。 | ① | X-RAY ON UM | · | 交換にてOK |
| ない | 2 | F. X-RAY ONLto | | " |
| (4) パワープシスト動作しない プロストレバーのマイクロスイッ プ位置再調整 | 3 | | スイッチON 状態で使用中 | サ1 |
| ⑤ 絞り緩羽根動かない 未 修 理 サ1 ⑥ APERTURE AUTO/MANUAL SELECTON SWITCH をONすると SPOT X-RAYができない 未 修 理 サ1 ⑦ フイルムチェンジャー連動でX線がでない DC-850B-2 端子板28~29間に渡り線を入れ使用中未修理 サ1 2 DT-KEL 4552064 DC-550A 4562314 J tem NO. 2G-2 ⑥ SPOT内 DCモーターが動かないトホルダーが完全にもどらないため,手でアジストしている。再発の可能性あり。未修理 サ1 | | | 未修理 | |
| (6) APERTURE AUTO/MANUAL SELECTON SWITCH をONすると SPOT X-RAYができない (7) フイルムチェンジャー連動でX線がでない。 (8) DC-850B-2 端子板 28~29間に渡り線を入れ使用中未修理 (9) DT-KEL 4552064 DC-550A 4562314 (1) SPOT内 DCモーターが動かない DCモーター交換、しかしカセットホルダーが完全にもどらないため、手でアンストしている。再発の可能性あり。 未修理 | 4 | パワーアシスト動作しない | | 再調整にてOK |
| SELECTON SWITCH をONすると SPOT X~RAYができない ① フイルムチェンジャー連動でX線がでない。 DC-850B-2 端子板 28~29間に渡り線を入れ使用中未修理 DT-KEL 4552064 DC-550A 4562314 I tem NO. 2G-2 DT-KEL 4552064 DC-550A 4562314 DCモーター交換、しかしカセットホルダーが完全にもどらないため、手でアンストしている。再発の可能性あり。 未修理 | (5) | 絞り縫羽根動かない | 未修理 | サ 1 |
| ① フイルムチェンジャー連動でX線がでない DC-850B-2 端子板 28~29間に渡り線を入れ使用中 未修理 サ1 2 DT-KEL 4552064 DC-550A 4562314 I tem NO. 2G-2 ③ SPOT内 DCモーターが動かないか、チャルダーが完全にもどらないため、手でアシストしている。再発の可能性あり。未修理 サ1 | 6 | | 未修理 | ザ 1 |
| でない 28~29間に渡り線を入れ使用 サ1 中 未修理 I tem NO. 2G-2 DC-550A 4562314 DCモーター交換、しかしカセットホルダーが完全にもどらないため、手でアシストしている。再発の可能性あり。 未修理 | | | | |
| 2. DT-KEL 4552064 DC-550A 4562314 ① SPOT内 DCモーターが動かない DCモーター交換、しかしカセットホルダーが完全にもどらないため、手でアシストしている。再発の可能性あり。 未修理 | 7 | | 28~29間に渡り線を入れ使用 | #1 |
| DC-550A 4562314 ① SPOT内 DCモーターが動かない DCモーター交換、しかしカセットホルダーが完全にもどらないため、手でアシストしている。再発の可能性あり。 未修理 | - 1 | | 中 木修埋 | |
| トホルダーが完全にもどらないた め、手でアシストしている。再発 の可能性あり。 未修理 | 2. | | | I tem NO. 2G-2 |
| め、手でアシストしている。再発 の可能性あり。 未修理 | ① | SPOT内 DCモーターが動かない | | #1 |
| ② 絞り片羽根が動かない 未 修 理 サ1 | | | め、手でアシストしている。再発 | |
| | 2 | 絞り片羽根が動かない | | ታ1 |

| No. | トラフル内容 | 対 | 策 | フォロー |
|-----|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|-------------------------|
| 3 | 天板動かない | ヒューズカッター | がONしていたので復 ィッチ位置再調査 | 再調整にてOK |
| 3. | HYDRADJUST-II D'C-850B-2 MS-302P(絞り) 4040799 | | | I tem NO 2G-1 |
| 1 | 天板上下,左右動かない | 未修理 | 1 | |
| 2 | X-RAY ONしない | DC-850B-2 IC不良 交 | 内 RY PWB 換 | 交換にてOK |
| 3 | 絞り片羽根動かない | クラッチが不良ギャのかみ合せマニュアルでも | が不良になっていて | 絞りを交換したほうが 良いかも知れない? |
| 4. | SXT - 6 - 1 0 A 4 5 1 2 0 1 2 | | | I tem NO 2A-37 |
| 1 | X-RAY ONLAW | | -RAYがでない LD LAMPが点灯し | J+ 1 |
| | | ない • 加熱 UN I T の i も音の変化はな | 音はするがF, ON して い システムタウン状態 | サ1 |
| 5. | SXT - 6 - 1 0 A | ノイズ有 | | I tem NO 2I-45 |
| | 特に問題なく使用中 | | · . | |
| 6. | KCD-10M-6AT T3544384 | | | I tem NO 2J-6 |
| | 特に問題はないが未使用 | | はでないと言っているが では問題ないと思われる | |
| 7. | SSL - 53M | | | I tem NO 2E-3 |
| 1 | モニター面がせまい | | | サ2 |
| , | | | | 966 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 8. | | | | I tem NO 2G-3 |
| 9. | AUTO-MED IC (自動現像機) SR-90 NO.8200684 メーカー Y,OKOYAMA フィルムを送るローラー用のモーターが熱 くなるとのクレーム有り モーターに放熱用のタオルをまいて使用中 | オリエンタオリエンタ | の熱さを知らないためれ ルモーター 51K40 ルモーター(ギヤ) 5 | |

3. 問題点

- 砂ぼとりが多く装置を開くと砂がたまっていた。
- 電源事情が悪く、時々停電する。また LINE 電圧も 常に変化しているため、LVサーボが 常に動いていた。
- オペレーターに対するオペレーションサービスを実施した方が良いと思われる。マニュアルはあまり読んでいないようです。
- トラブルがおきても使用して、トラブルを拡大しているようです。
- トラブルがおきたとき修理,調査できるエンジニアがいない。

4. 感 想

• 出張前のトラブル報告書では、3件のみでまた内容不充分により事前にパーツの確保等が 充分にできなかった。

現地に行ってみると、各システムがかなりのトラブルを持っており、トラブル状況の調査 に手まどり修理まで行う時間もパーツもなかった。

IC不良等のトラブル、絞りの動作不良がX線システム3 set に共通しており、何らかの問題があるのではないかと思われる。

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